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DISCLOSURE TEXT:

2p. To establish connection with a central system, the user at a remote terminal issues a logon command. If a valid command is issued, the user is permitted to transmit and receive at that terminal.

- When the remote user connects to a central system, the first record transmitted must be a logon. If the first record sent is not logon, a diagnostic message is sent to the terminal and the line is disconnected. Fig. 1 is an overview of system logon.

- In Fig. 2, the relationship of system logon to other portions of an operating system within a central-processing system indicates communication of system logon with system commands, a teleprocessing access method, a console I/O task, an application program and a user authorization data set. The logon process includes validating user IDs, terminal IDs and authorization. A telecommunication access method searches a QID table to check the validity of the user ID. If it is valid, the access method uses that QID entry.

- A more detailed view of the logon process is shown in Fig. 3, wherein a request for logon causes a search of the QID table to determine whether the user ID is valid. If a user is not found, an exit indicating an invalid logon results. If the user ID is found, a check is made to determine whether the user is on the correct line. If not, an exit is made as before. If the user is on the right line, a check is made of the program password. If it does not check, an exit is made as above. If the program password is valid, the procedure named in the logon command is read from the system procedure library.

- Each record is then issued as a command. The logon parameters are then tested to determine whether the user wants "mail or notices". If not, the QID table is updated that the user is logged on and a return is sent indicating a valid logon.

- If the user wants mail or notices, the mail and notices are obtained and a write is issued to the remote console. Again the update of the QID table is performed indicating that the user is logged on and a valid logon return is sent.

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# LOGON PROCESS = YES/NO SUBROUTINE PLUS SYSTEM CONDITIONING

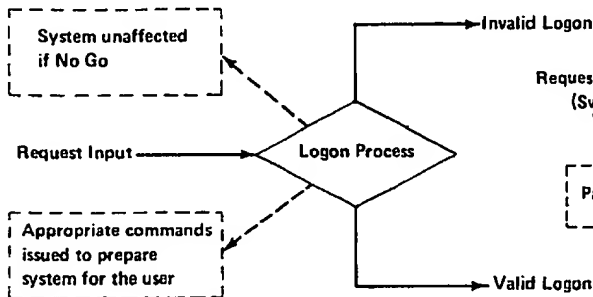


Fig. 1

## DETAILED LOGON PROCESS

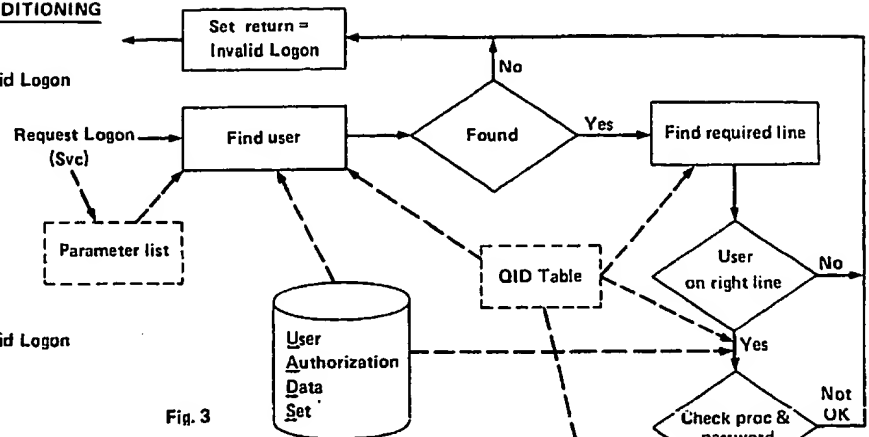


Fig. 3

## LOCATION OF SYSTEM LOGON WITHIN CENTRAL SYSTEM

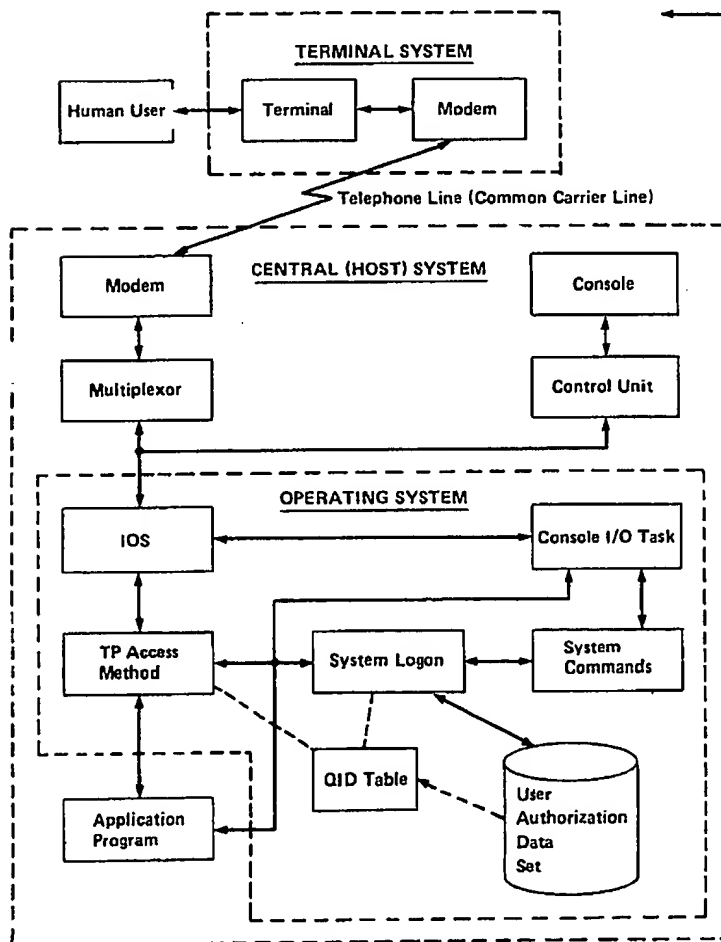


Fig. 2